DUNE Organization

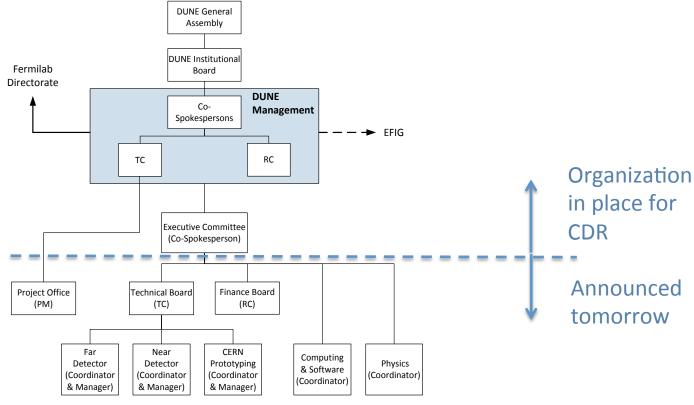
Mark Thomson & André Rubbia

DUNE Weekly Meeting July 31, 2015



Collaboration Organization

Organization as presented in CDR Volume 1

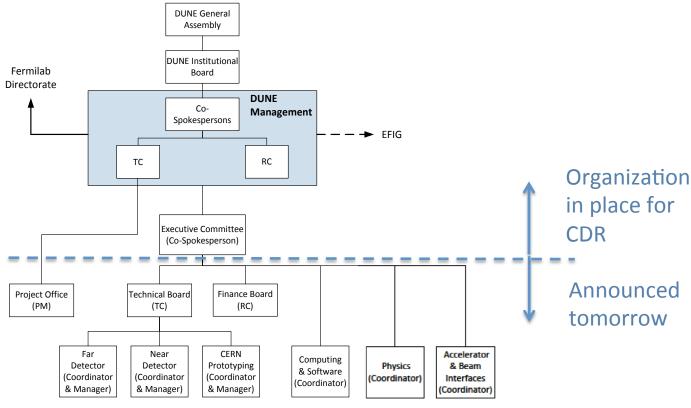


+ task forces



Collaboration Organization

Updated organization – one new "coordination" area

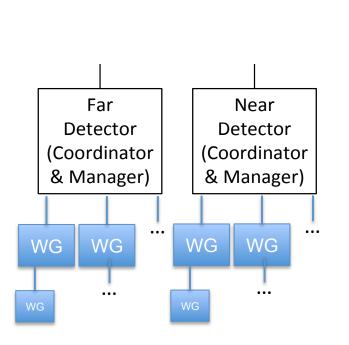


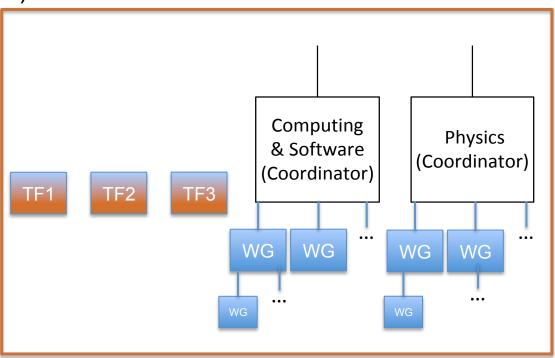
+ task forces



DUNE Scientific Structure

- Organization of Physics & Software Computing
 - + focused (fixed duration) Task Forces





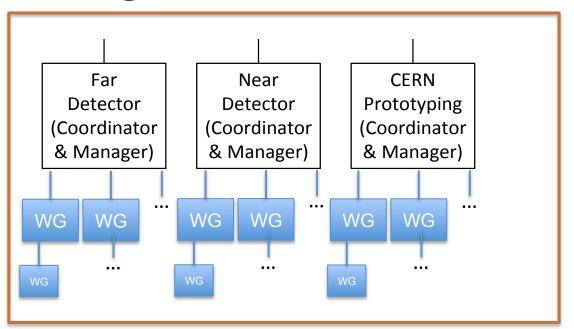
Comments:

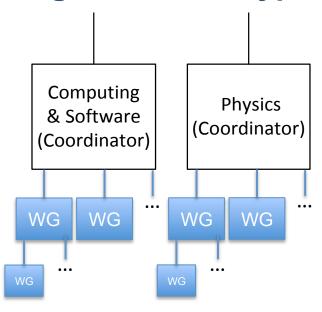
- Details of the WG structure, put in place in consultation with coordinators
- TFs draw on Science & Detector WGs to address specific issues



DUNE Detector Coordination

Organization of DUNE Detector Design and Prototyping





Comments:

- Each activity lead by a Detector Coordinator
- paired with a Detector Manager who reports to the project manager
- Far Detector includes both reference and alternate designs



DUNE Task Forces

- Three task forces put in place
 - Tackle time-critical questions for the collaboration
 - Differ from the working groups; they are fixed duration
 - Bring together activities that cross WG boundaries
 - E.g. Physics Reconstruction Far Detector
 - Tasked to deliver short reports addressing specific questions
 - But <u>main role</u> is ensuring that the required work is completed in a timely manner

Task force leadership

- Convenor
 - Typically a more "senior" person who can organize the work
- Two deputies
 - Typically more junior people with necessary detailed knowledge



Selection procedure

- Solicited input from Institute Board reps.
- Selection by Spokes and Eric James (for detector coordinators). Considerations:
 - Retain and benefit from existing experience
 - Desire to expand pool of people contributing to high-level coordination
 - Balance between laboratories/university groups
 - Input from TF coordinators on deputies
- Note: still a few "To be confirmed" where we are currently in discussion with a particular person



Coordinators

Physics Coordinator

- Jon Urheim
- Deputy
 - TBC

Software and Computing Coordinator

- Tom Junk
- Deputy
 - TBC

Accelerator and Beam Interfaces Coordinator

- Alberto Marchionni
- Deputy
 - Mary Bishai



Task Force Coordinators

ND Optimization

- Steve Brice
- Deputies
 - Dan Cherdak & TBA

FD Reco/Physics/Optimization

- Lisa Whitehead
- Deputies
 - Andy Blake, Slavic Galymov

Beam Optimization

- Alfons Weber
- Deputies
 - TBC



Detector Coordinators

International Project Manager

Steve Kettell

Far Detector Coordinator

Tim Bolton

Manager

Jim Stewart

Near Detector Coordinator

Sanjib Mishra

Manager

- TBC

Prototype: defer decision until formal approval by SPSC



Working Groups

Have a provisional set of working groups

Selection of convenors:

- Will seek suggestions from entire collaboration
- Choice of convenors by a combination of spokes, TC & the relevant coordinators
- Strong desire to involve a wide cross section of collaboration
 - Institutes
 - Countries
 - Senior and relatively junior collaborators

Timeline:

- Call for suggestions will go out today (one week deadline)
- Aim to have most convenors in place ~two weeks



Provisional Working Groups

For purposes of proposing convenors **Project Management** PM: Steve Kettell **Far Detector Coordination** Single-Phase Installation **Photon Detection** DAQ **Electronics** Coordinator: Tim Bolton **TPC** System Manager: Jim Stewart **Dual-Phase TPC** Purity & Calibration Detector Cleanliness **Physics Near Detector Coordination FGT LAr Option HP Gaseous-Ar** Coordinator: Sanjib Mishra **TPC Option** Manager: TBC **Prototype Coordination** Coordinator Manager Acc & Beam Interface **Muon Monitors** Target/Horns **Alberto Marchionni Deputy: Mary Bishai Physics Coordination Long Baseline Nucleon Decay** Supernova nus **ND Cross Section** Exotics (DM, ...) **Atmospherics** Cosmics **Astrophysical** Jon Urheim **Systematics** Cosmogenic nu Deputy: TBC **Solar Neutrinos ND Precision EW Physics** Relic SN nus Computing/Software Offline Group **DUNE-PT** FD Sim/Reco 35t Beam Sim. **DUNE-PT Photon Det Tom Junk** Infrastructure Reco/Analysis Systematics Sim/Reco/Ana Sim/Reco Deputy: TBC



31/07/15

Comments?

